

WHAT IS CLAIMED IS:

Sub 34 1. A plug-side connector configured for engagement with a jack-side connector to form an electrical connection, comprising:

a plug-side connector body;
a bayonet sleeve rotatably connected to said connector body, said sleeve having two slots therein for engagement with corresponding lugs on a jack-side connector; and

a first indicator on said sleeve, said indicator being configured to align with a reference point when said slots in said sleeve are fully engaged with the lugs of a jack-side connector to provide a visual indication that the plug-side connector is fully engaged with the jack-side connector.

3.
2. The plug-side connector of claim 1, further comprising:

a second indicator, wherein each of said first and second indicators is aligned with a terminal portion of a respective slot so that said visual indication is provided when each indicator is substantially aligned with a respective lug of a mated jack-side connector.

4.
3. The plug-side connector of claim 2, wherein each of said slots in said sleeve comprises a J-shaped slot, and wherein said J-shaped slots are positioned on said sleeve approximately one hundred eighty degrees apart from one another.

5.
4. The plug-side connector of claim 3, wherein each of said indicators comprises a substantially V-shaped notch in said sleeve.

7.
5. The plug-side connector of claim 4, wherein each of said indicators is selected from the group comprising a dimple on said sleeve, a ridge on said sleeve and a lug on said sleeve.

9.
8. The plug-side connector of claim 1, wherein said sleeve further comprises:

a third slot for engagement with a corresponding lug on the jack-side connector; and

a third indicator, wherein each of said first, second and third indicators is aligned with a terminal point of a respective slot so that said visual indication is provided when each indicator is substantially aligned with a respective lug of a mated jack-side connector.

10.
7. The plug-side connector of claim ⁹8, wherein each of said slots in said sleeve comprises a J-shaped slot, and wherein said J-shaped slots are positioned on said sleeve approximately one hundred twenty degrees apart from one another.

11.
8. The plug-side connector of claim ¹⁰7, wherein each of said indicators comprises a substantially V-shaped notch in said sleeve.

12.
9. The plug-side connector of claim 1, wherein the plug-side connector is a BNC plug-side connector, and the jack-side connector is a BNC jack-side connector.

Sub 85] 12.
10. A mating connector pair comprising:
(a) a jack-side connector comprising
a jack-side connector body having two lugs disposed on a peripheral surface thereof, said lugs being positioned on said jack-side connector body approximately one hundred eighty degrees apart from one another,
a jack-side conductor disposed within a lumen of said jack-side connector body, and
a jack-side connector insulator electrically isolating said jack-side conductor from said jack-side connector body; and

(b) a plug-side connector comprising

a plug-side connector body configured for mating with said jack-side connector body,

a plug-side conductor disposed within a lumen of said plug-side connector body, said plug-side conductor being configured for mating with said jack-side conductor of said jack-side connector,

a plug-side connector insulator electrically isolating said plug-side conductor from said plug-side connector body,

a bayonet sleeve rotatably connected to said plug-side connector body, said sleeve having two J-shaped slots therein, each slot being configured and arranged for engagement with a corresponding one of said lugs of said jack-side connector body when said jack-side connector is mated with said plug-side connector, and

two indicators on said sleeve, each indicator aligning with a terminal portion of a corresponding one of said slots and providing a visual indication of full mating of said connector when said slots in said sleeve are fully engaged with said lugs of said jack-side connector body.

13.
11. The mating connector pair of claim 10¹², wherein each indicator comprises a substantially V-shaped notch in said sleeve.

14.
12. The mating connector pair of claim 10¹², wherein the mating connector pair is a BNC mating connector pair, said jack-side connector is a BNC jack-side connector, and said plug-side connector is a BNC plug-side connector.

Add
a3